

TITLE 62: MINING
CHAPTER I: DEPARTMENT OF NATURAL RESOURCES

PART 140
THE COAL MINING ACT

Section

140.10 Plans to be Submitted to the Department

140.20 Requirement Concerning Removal of Vehicle Wheels, Tires, and Valve Cores

140.30 Coal Quality Testing Program

AUTHORITY: Implementing Section 2.02 and 2.12 of the Coal Mining Act [225 ILCS 705/2.02 and 2.12] and P.A. 88-0599, adopted September 1, 1994 [20 ILCS 1905/47].

SOURCE: Adopted May 13, 1975; codified at 8 Ill. Reg. 8509; emergency amendment added at 18 Ill. Reg. 15167, effective October 1, 1994, for a maximum of 150 days; amended at 19 Ill. Reg. 2461, effective February 21, 1995.

Section 140.10 Plans to be Submitted to the Department

It is ordered by the Mining Board that all coal companies in Illinois comply and submit to the Department of Natural Resources, Office of Mines and Minerals, the following:

- a) Safety and operational training and retraining plans;
- b) Roof control plan;
- c) Ventilation and methane and dust control plan;
- d) Fan stoppage plan;
- e) Sealing or ventilating abandoned sections plan;
- f) Filing map of temporarily abandoned mining;
- g) Emergency medical assistance plan;
- h) Search program plan (smoking materials);
- i) Detailed list of all electric face equipment;
- j) Clean-up program plan;

- k) Notification when reopening mine;
- l) Program of instructions pertaining to fire fighting and evacuation procedures;
- m) Up-to-date map (twice a year). Each map shall show:
 - 1) All active workings;
 - 2) Electrical layout map; and
 - 3) Denote each split of air and designate intake and return air flow.
- n) There shall be weekly safety talks for the purpose of indoctrination. A record of the weekly safety talks shall be kept in the mine office and the subject matter discussed shall be contained in a weekly report. This report is to be inspected by the State Mine Inspector and a report shall be made on each monthly inspection report submitted to the Department of Natural Resources, Office of Mines and Minerals by the District State Mine Inspector.

Section 140.20 Requirement Concerning Removal of Vehicle Wheels, Tires, and Valve Cores

- a) It is the ruling of the Mining Board that all wheels be removed from the vehicle and all tires shall be removed from the wheels before any welding, cutting, or heating of any kind is done on the wheel.
- b) It is also the ruling that, before any attempt to remove a tire from a wheel, the valve core must be removed from the valve stem as assurance that the internal pressure of the tire does not exceed the normal atmospheric pressure.
- c) This procedure shall be followed at all mines in the State of Illinois.

Section 140.30 Coal Quality Testing Program

- a) The Department of Natural Resources, Office of Mines and Minerals' (Department) analytical laboratory, located in Benton, Illinois, is authorized to test the quality of coal delivered under State coal purchase contracts.
- b) The Department shall analyze samples taken from coal shipments under State contracts provided by any agency or institution of the State of Illinois, hereinafter called the delivering agency, if such samples are:

- 1) submitted in the 6 pound increments required for analysis, with a minimum of 6 pounds of coal per sample bag and a maximum of 42 pounds of coal per sample bag (any variation to this sampling process must follow guidelines set by ASTM Standard D-2234-89 found at pp. 270-281 in Volume 05.05 of the 1993 Book of ASTM Standards, published by the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103);
 - 2) identified as having been submitted by a specific delivering agency;
 - 3) received by the Department's Benton, Illinois analytical laboratory by the 10th day of the month; and
 - 4) collected as required by ASTM Standard D-2234-89 found at pp. 270-281 in Volume 05.05 of the 1993 Book of ASTM Standards, published by the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.
- c) Upon receiving an acceptable sample bag from a delivering agency, the Department shall grind the coal to the specifications of ASTM Standard D-2013-86 found at page 245 in Volume 05.05 of the 1993 Book of ASTM Standards, published by the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103, by using a hammermill crusher or equivalent device, as follows:
- 1) The crusher shall be completely enclosed to avoid the loss of dust or moisture.
 - 2) The coal in each sample bag shall be mixed (ground by crusher) to form an initial composite sample as stated in ASTM Standard D-2013-86 found at page 245 in Volume 05.05 of the 1993 Book of ASTM Standards, published by the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.
 - 3) The initial composite sample shall be reduced to 1,000 grams and divided into two (2) 500 gram samples. The Department shall then dry one of the 500 gram samples to the specifications outlined in ASTM Standard D-2013-86 found at page 247 in Volume 05.05 of the 1993 Book of ASTM Standards, published by the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103. After drying, this 500 gram sample shall then be processed in accordance with subsection

(c)(4) below. The undried 500 gram sample shall be held in reserve should more than one test be required.

- 4) The 500 gram sample used for immediate analysis shall be placed on a spin wheel mixer for 15 minutes, then analyzed for percent of moisture, percent of ash, percent of sulphur and BTUs, in accordance with subsection (d) below.
- d) The Department shall analyze the 500 gram sample using testing procedures that conform to the following specifications found in Volume 05.05 of the 1993 Book of ASTM Standards, published by the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103:
 - 1) ASTM Standard D-3302-91 (percent of moisture), pp. 358-364;
 - 2) ASTM Standard D-3174-89 (percent of ash), pp. 324-326;
 - 3) ASTM Standard D-4239-93 (percent of sulphur), pp. 392-400; and
 - 4) ASTM Standard D-1989-92 (BTUs), pp. 237-244.
- e) The results of the analysis shall be reported to the delivering agency in accordance with subsection (f) below. The Department shall retain the undried 500 gram sample for 30 days from the date the results of the analysis are sent to the delivering agency.
- f) The Department shall report the results of its coal quality analysis to the delivering agency within two weeks after the Department's receipt of a coal sample acceptable for testing, and will submit a bill for the coal quality analysis performed, based upon the following schedule:

| Number of sample bags tested per month | PFee |
|--|-------|
| 1 to 2 bags | \$ 50 |
| 3 to 4 bags | \$ 65 |
| 5 to 6 bags | \$ 80 |
| 7 to 8 bags | \$ 95 |
| 9 to 10 bags | \$105 |
| 11 to 12 bags | \$120 |
| 13 to 14 bags | \$135 |
| 15 to 16 bags | \$150 |
| For every 2 additional bags | \$ 15 |

- g) The Department shall charge \$50.00 extra for each sample bag submitted by a delivering agency after the 10th day of the month.
- h) References in this Section to the 1993 Book of ASTM Standards, published by the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103, do not include any subsequent amendments or editions.

(Source: Added at 19 Ill. Reg. 2461, effective February 21, 1995)